

FIG. 1
(PRIOR ART)

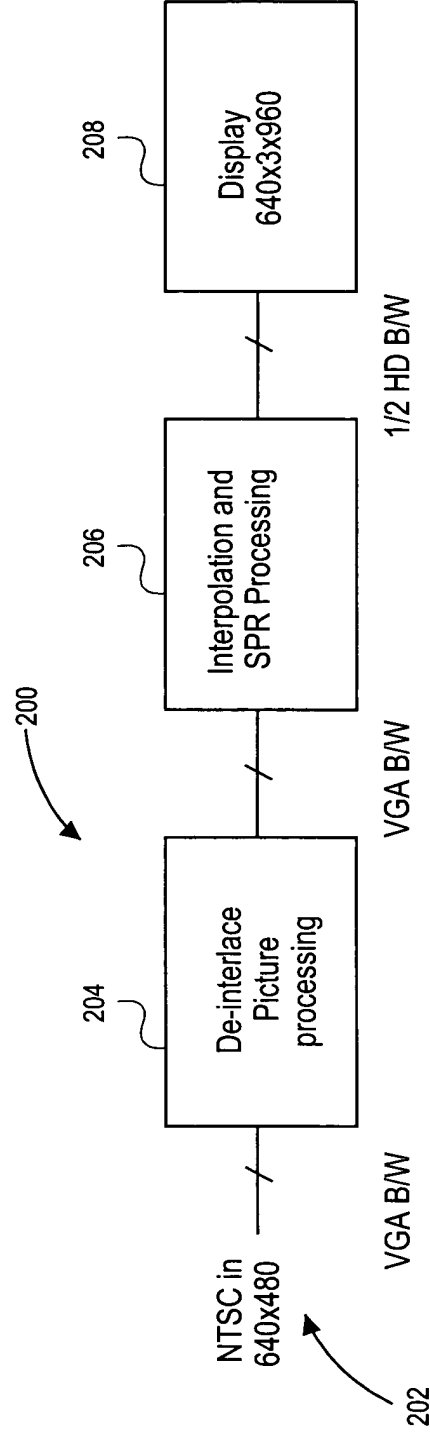


FIG. 2

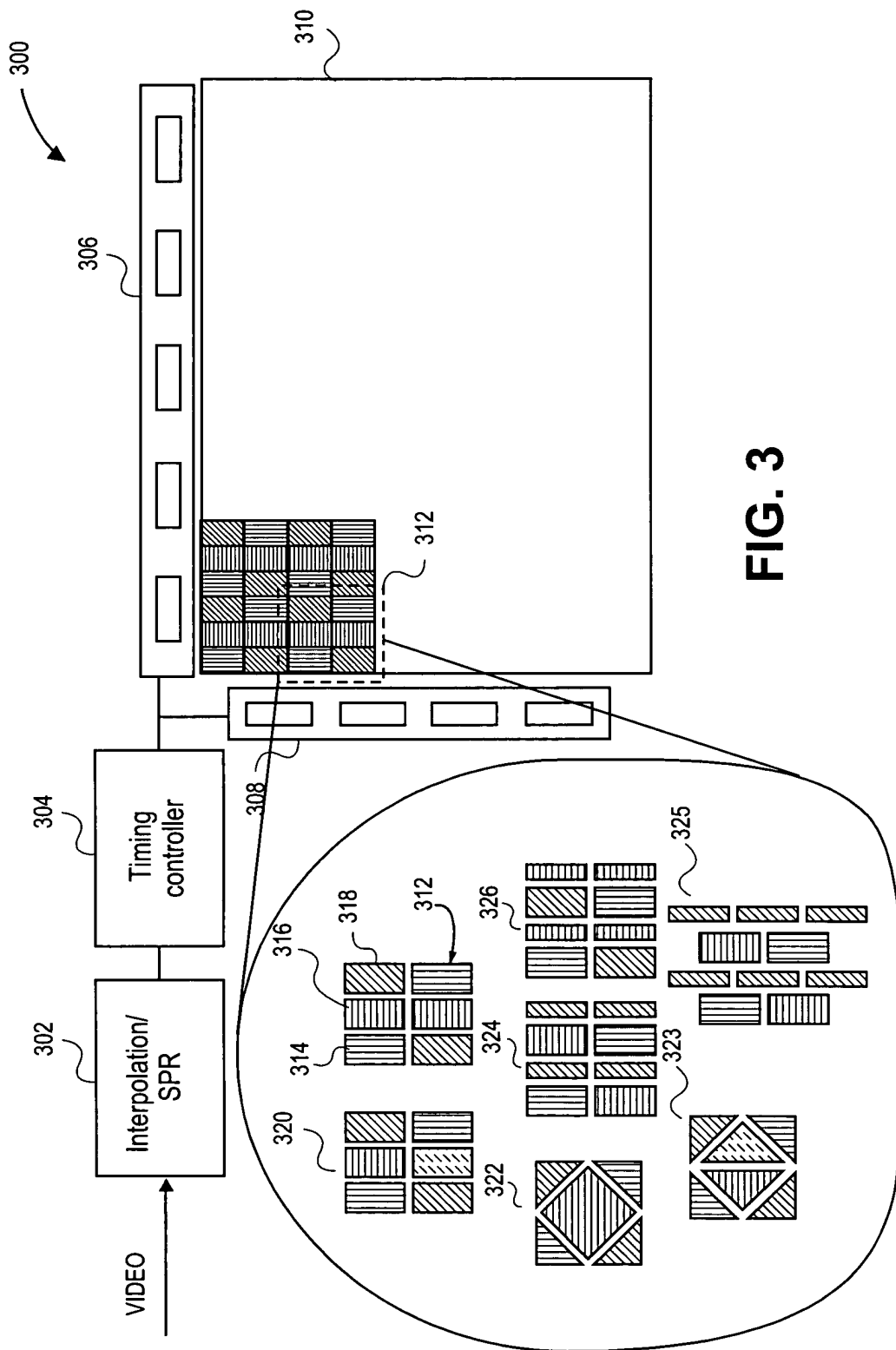


FIG. 3

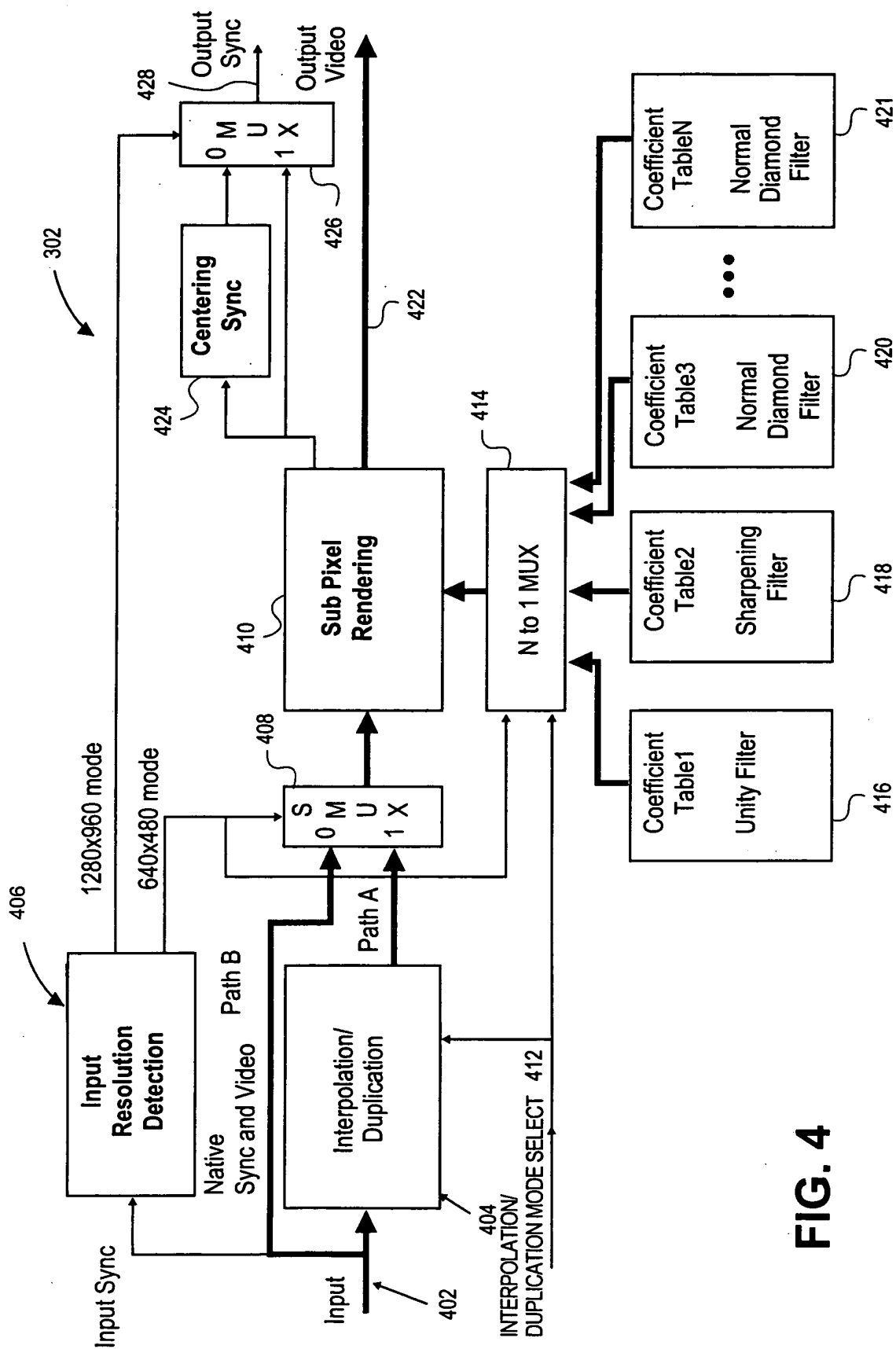


FIG. 4



FIG. 5

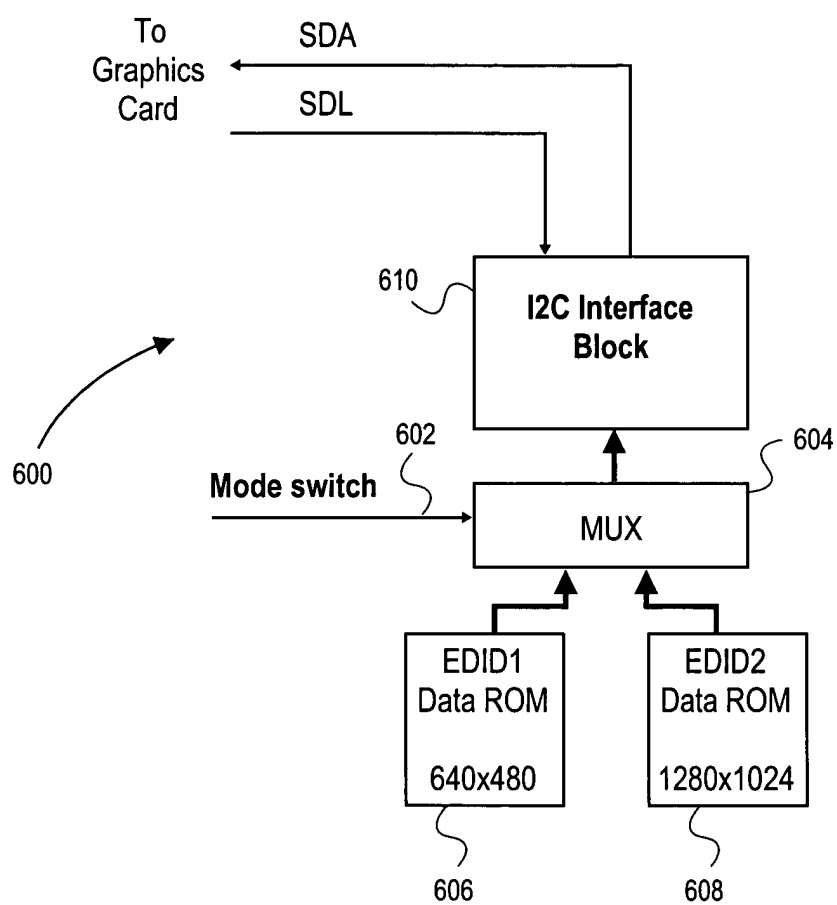


FIG. 6

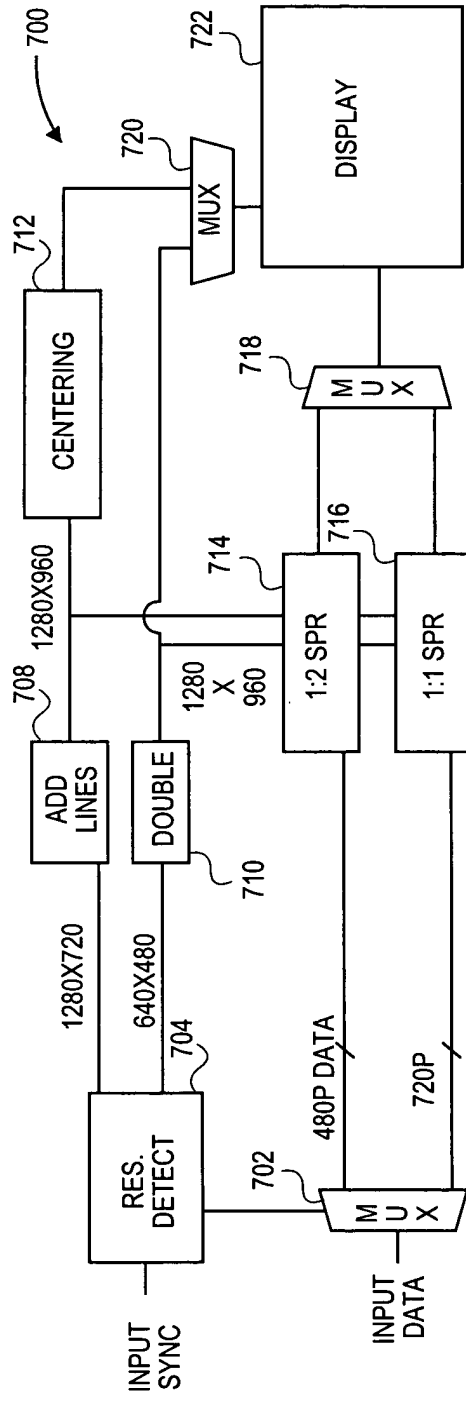


FIG. 7

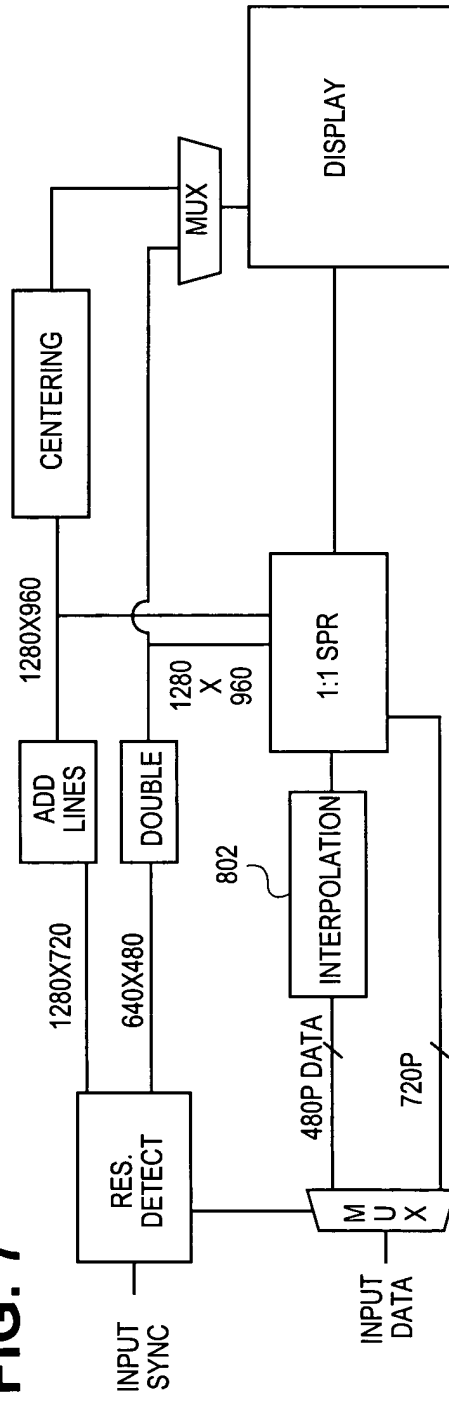


FIG. 8

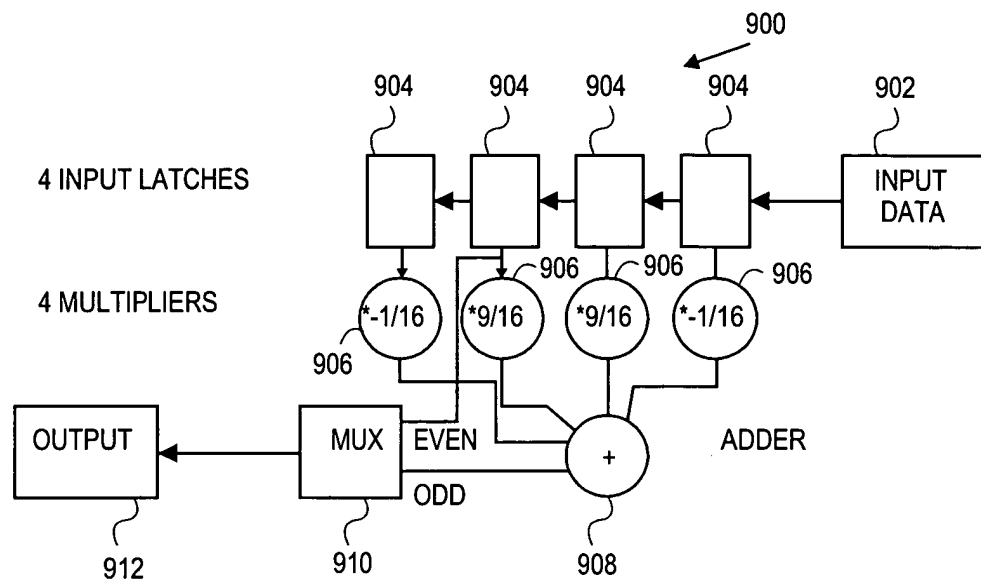


FIG. 9

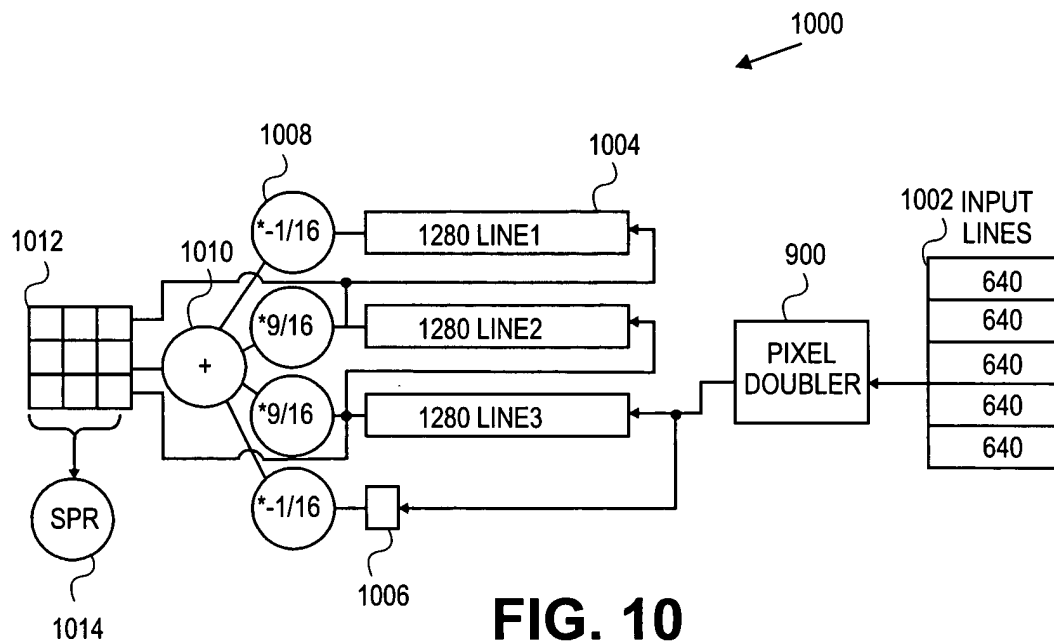


FIG. 10

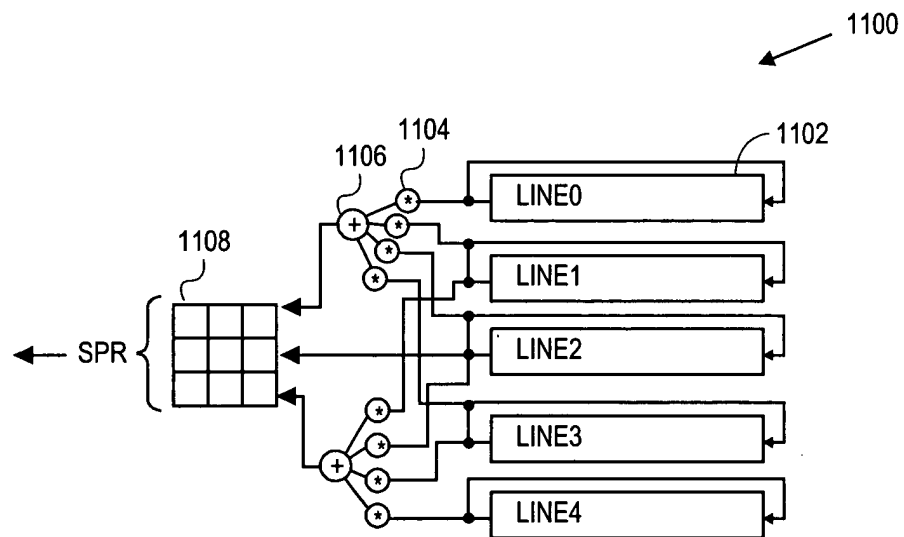


FIG. 11

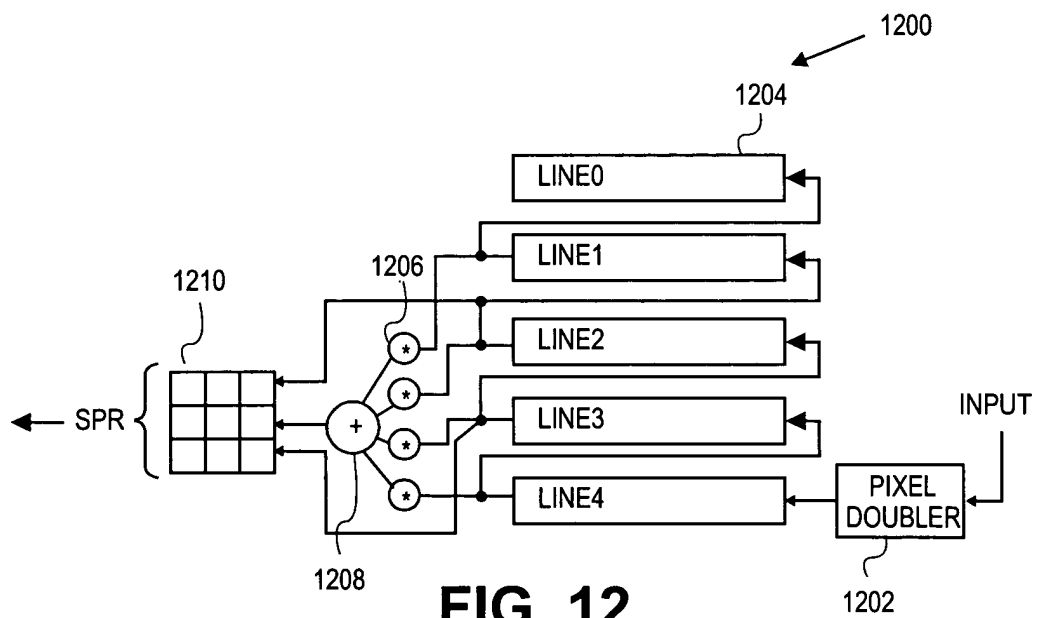


FIG. 12

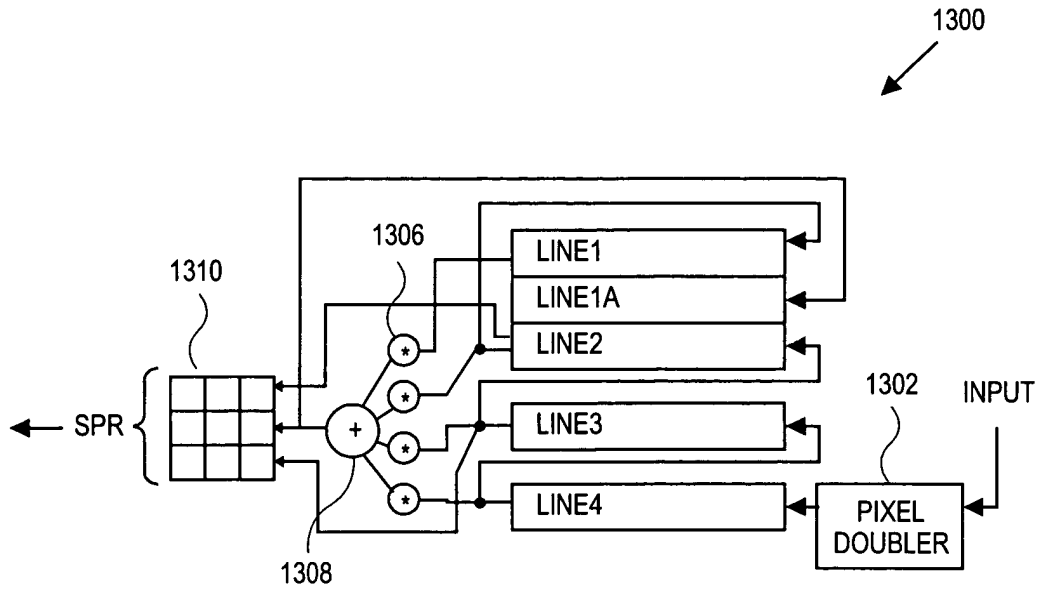


FIG. 13

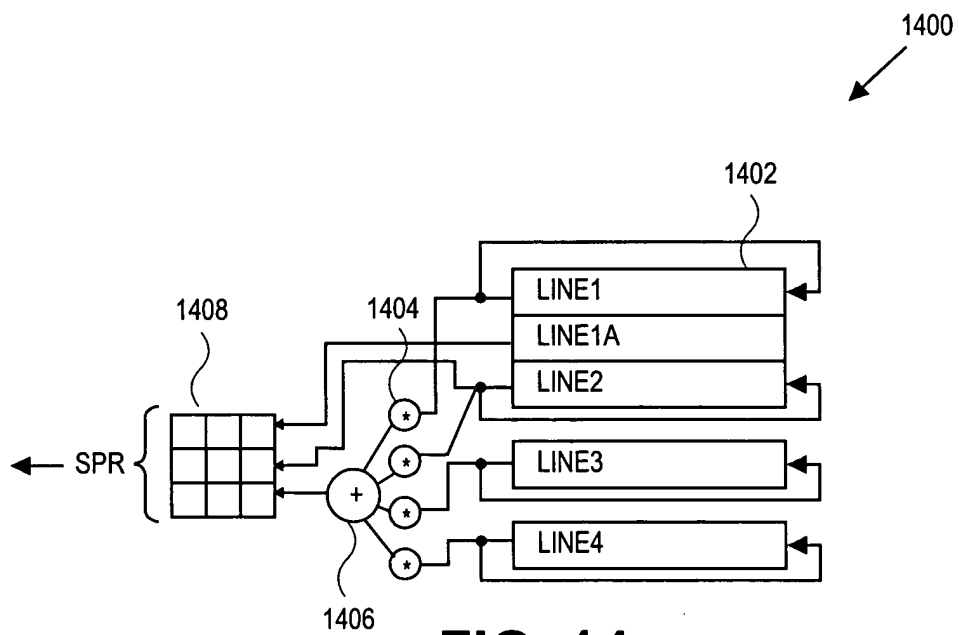


FIG. 14

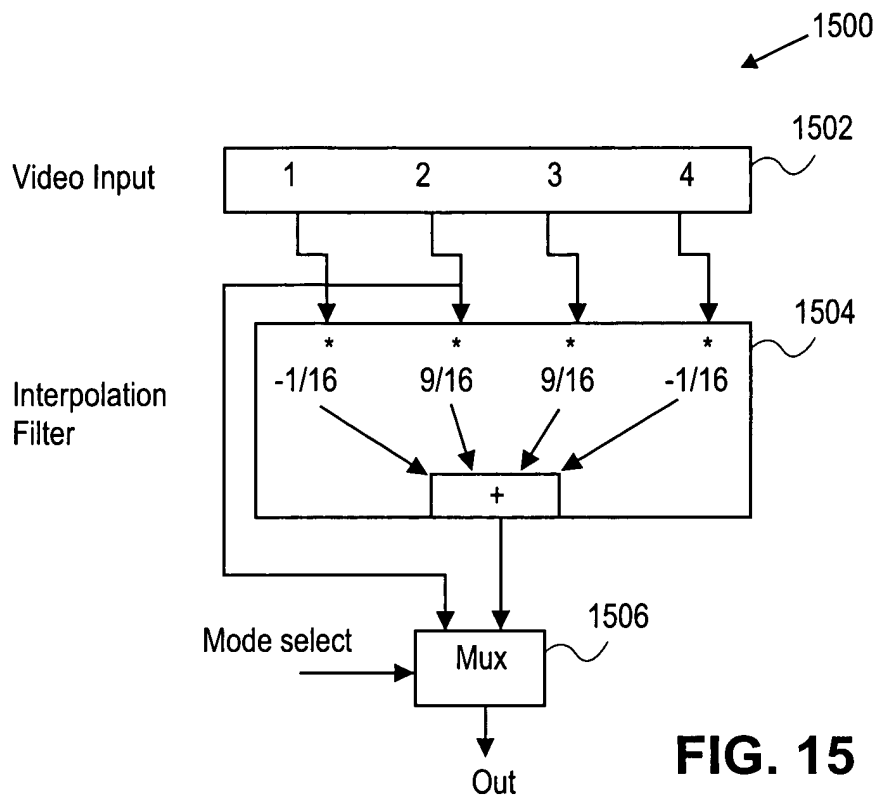


FIG. 15

| | | | | | | | | | | |
|--------------------|---|----|---|----|---|----|---|----|---|----|
| Interpolation mode | 1 | I1 | 2 | I2 | 3 | I3 | 4 | I4 | 5 | I5 |
| Duplication mode | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |

FIG. 16

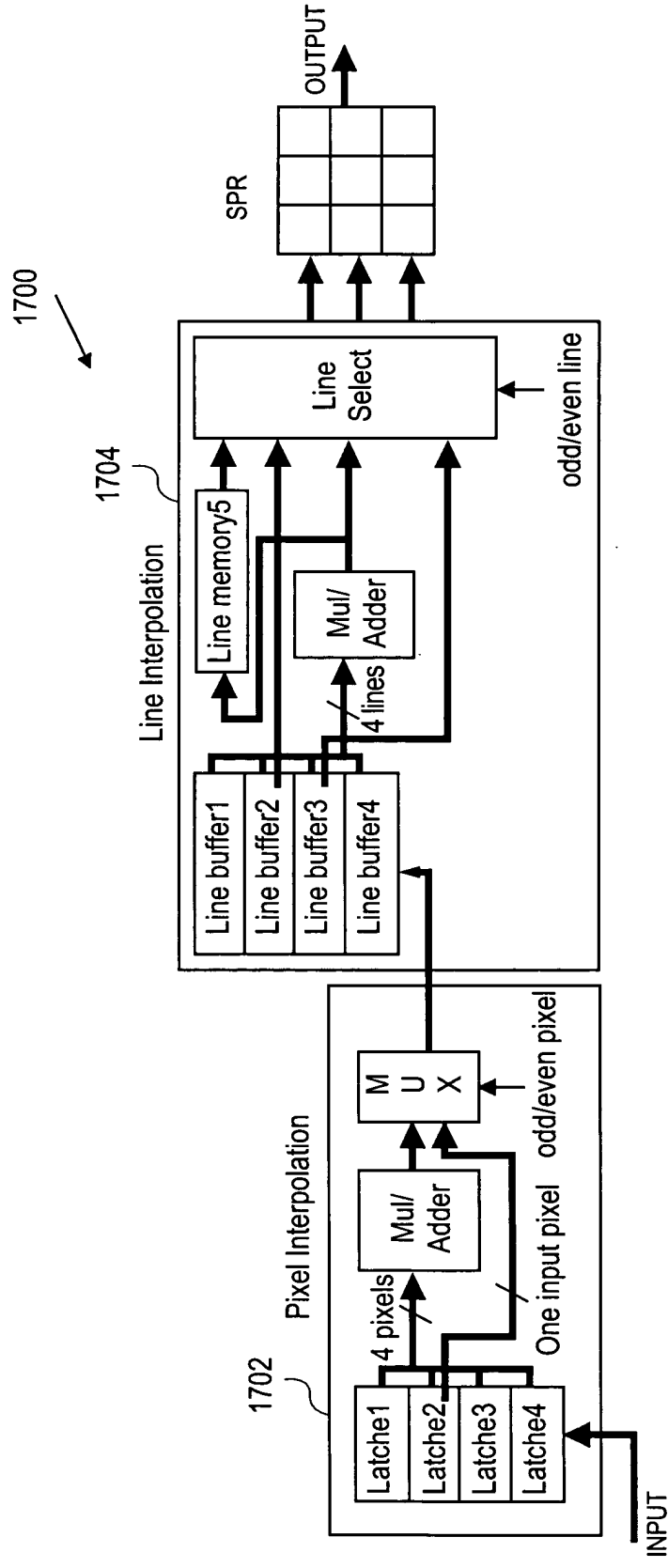


FIG. 17

1800

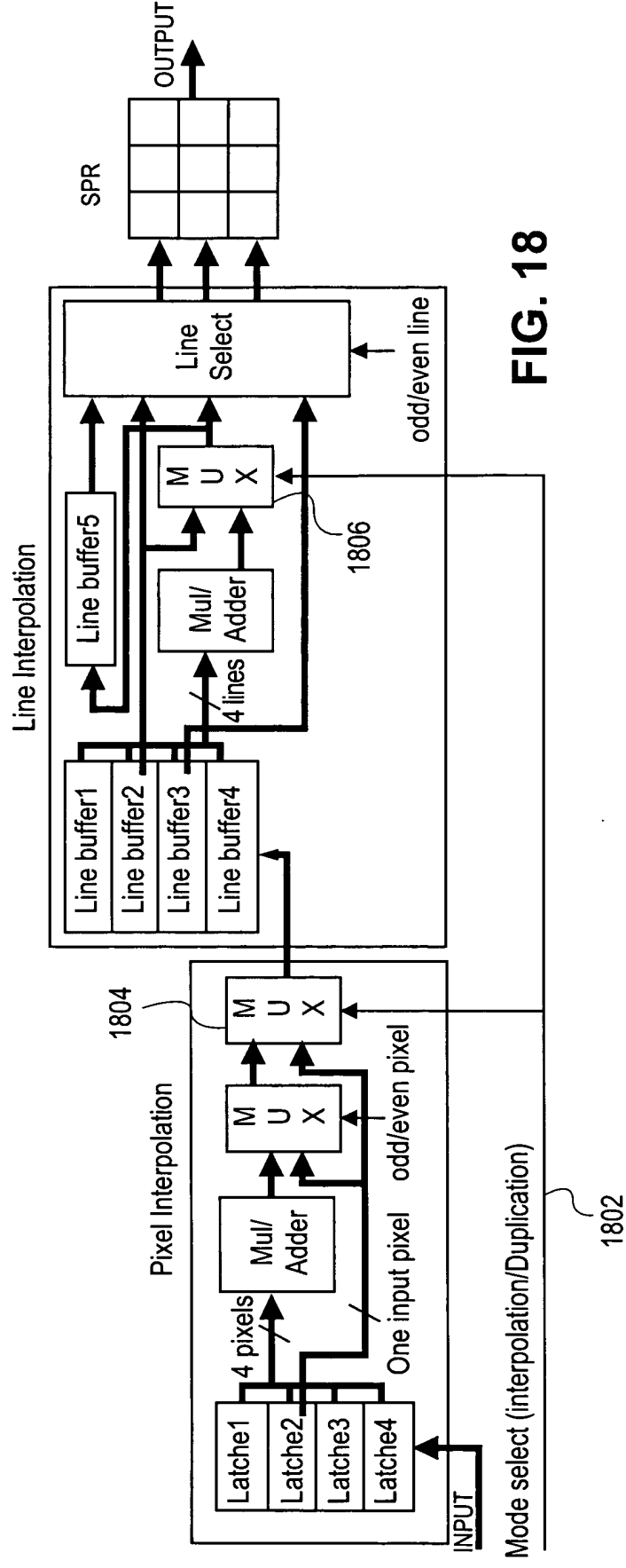


FIG. 18

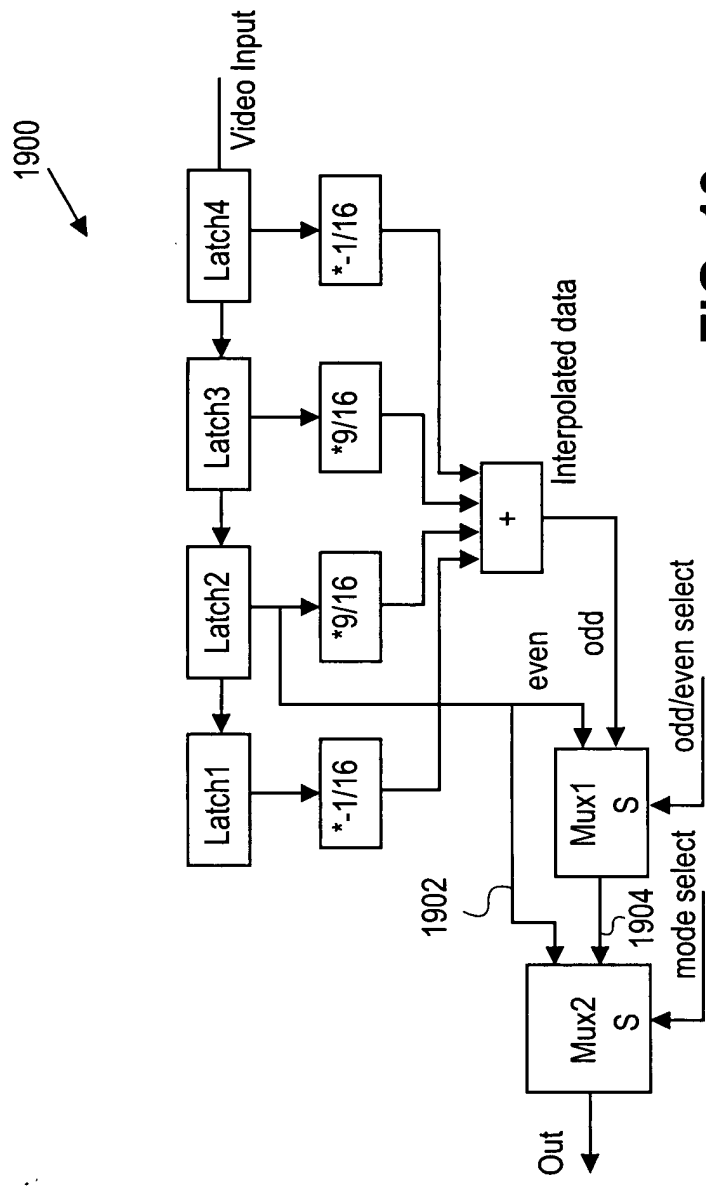


FIG. 19

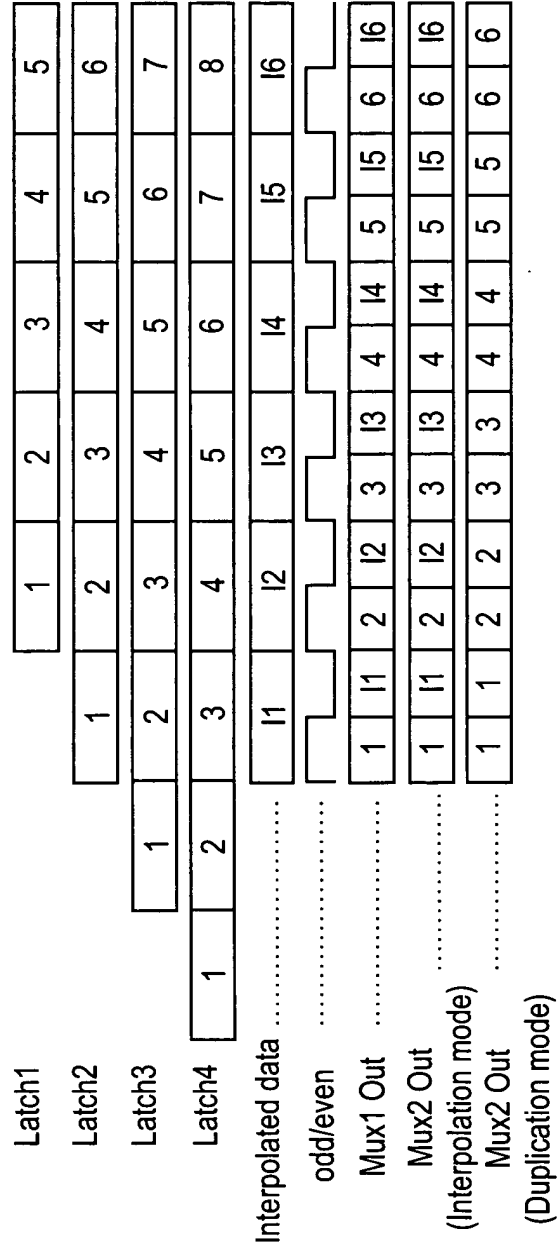


FIG. 20

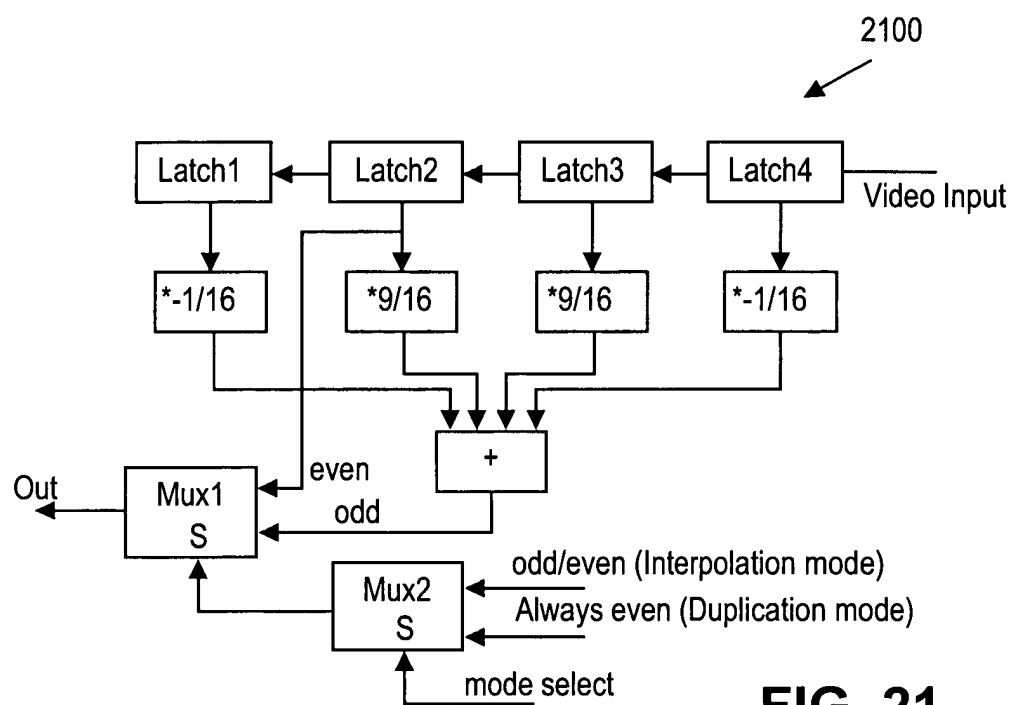


FIG. 21

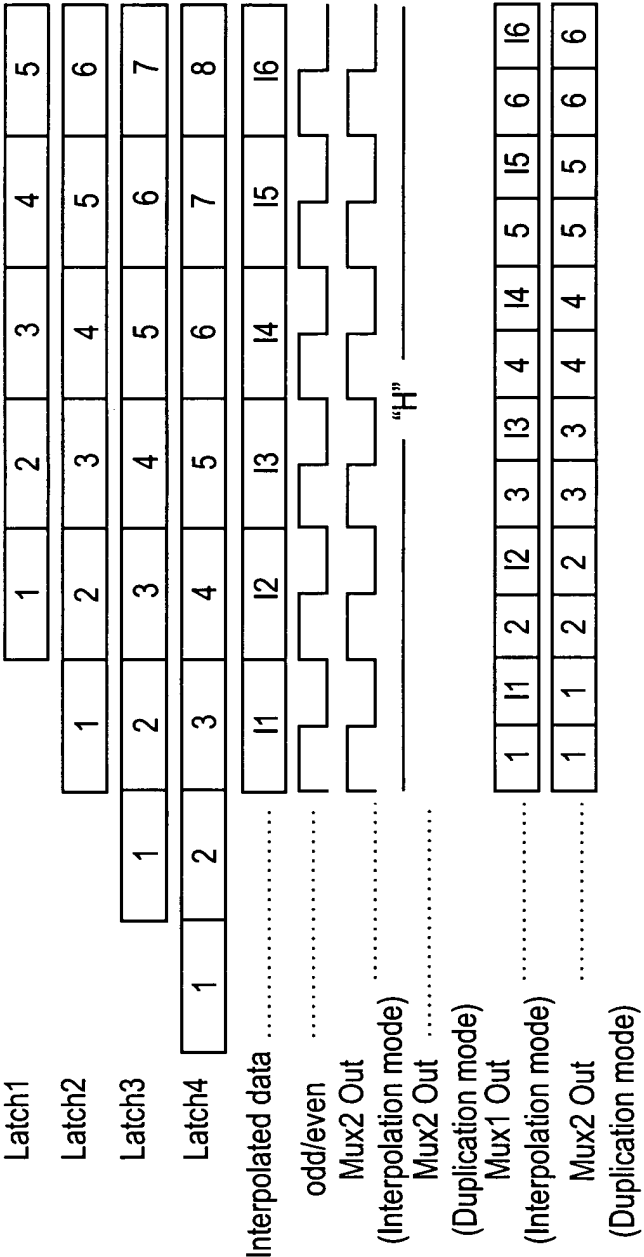
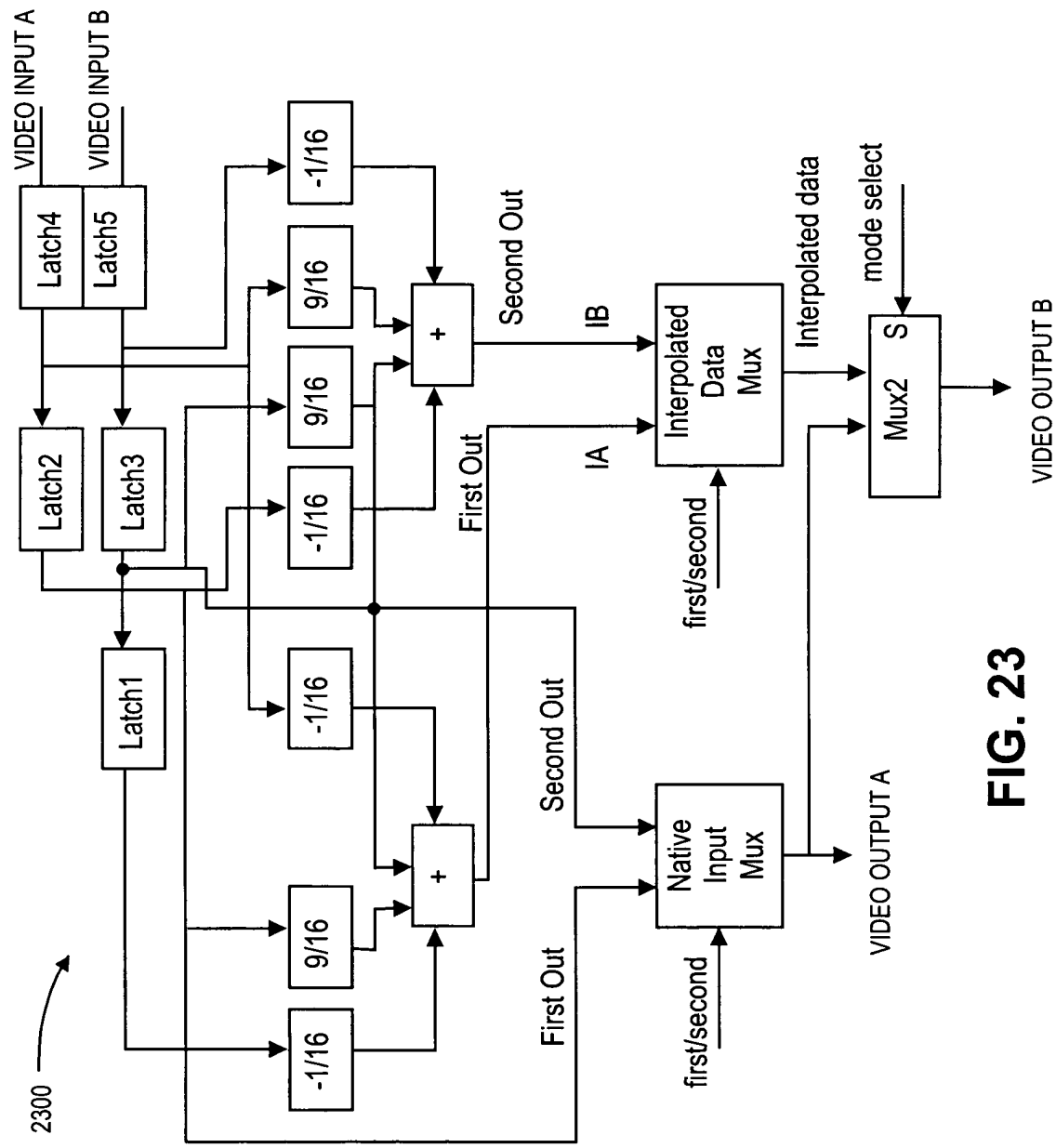


FIG. 22



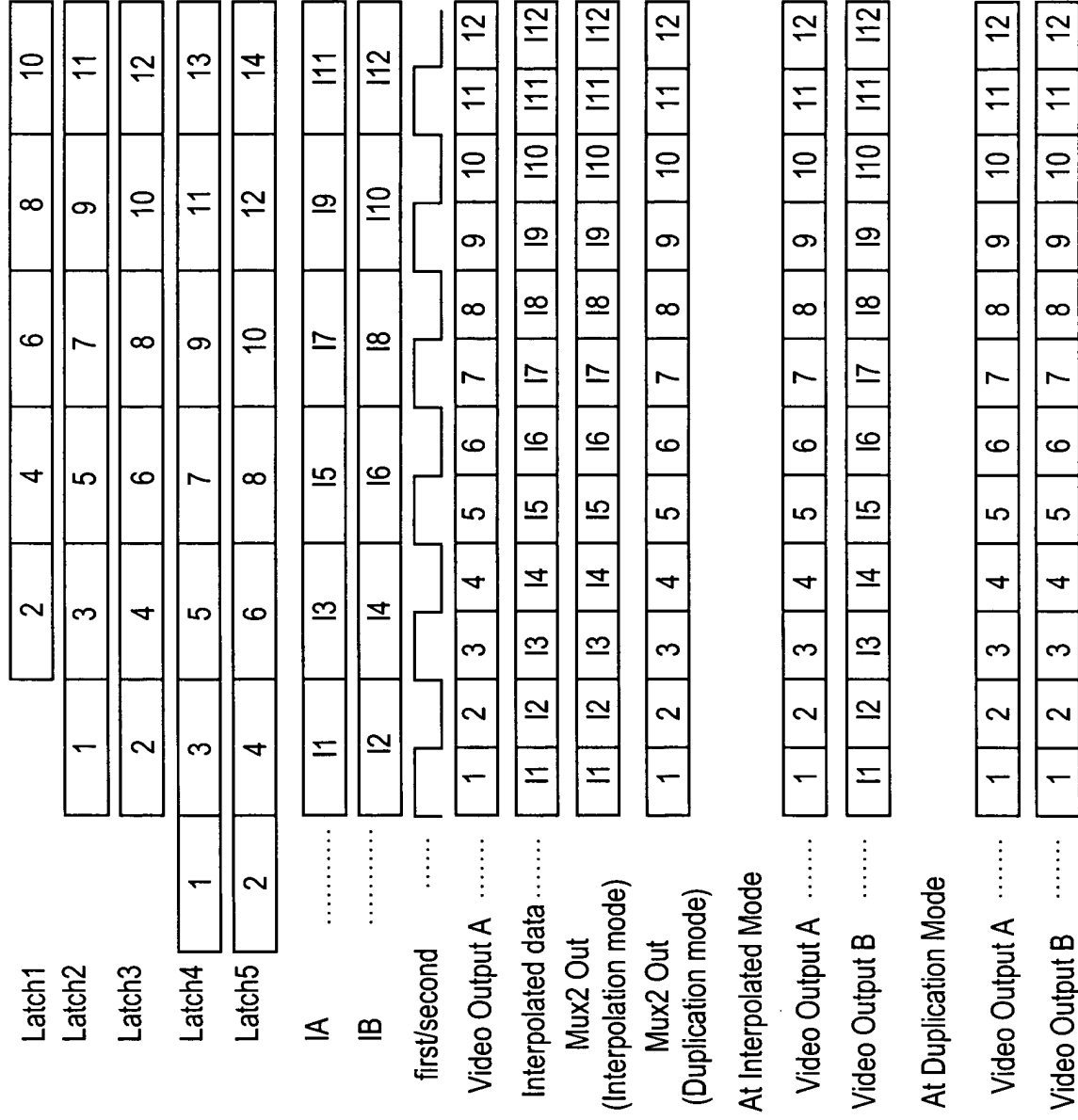


FIG. 24

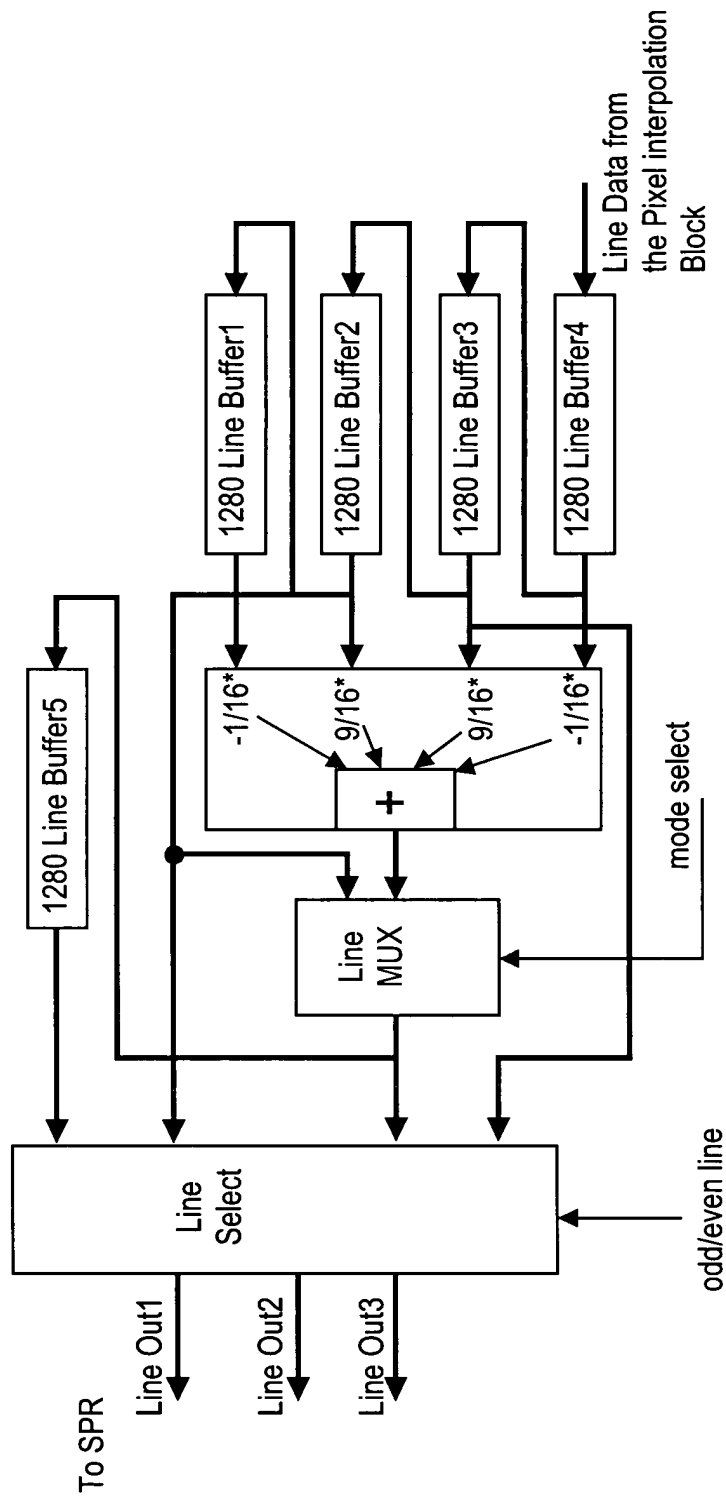


FIG. 25

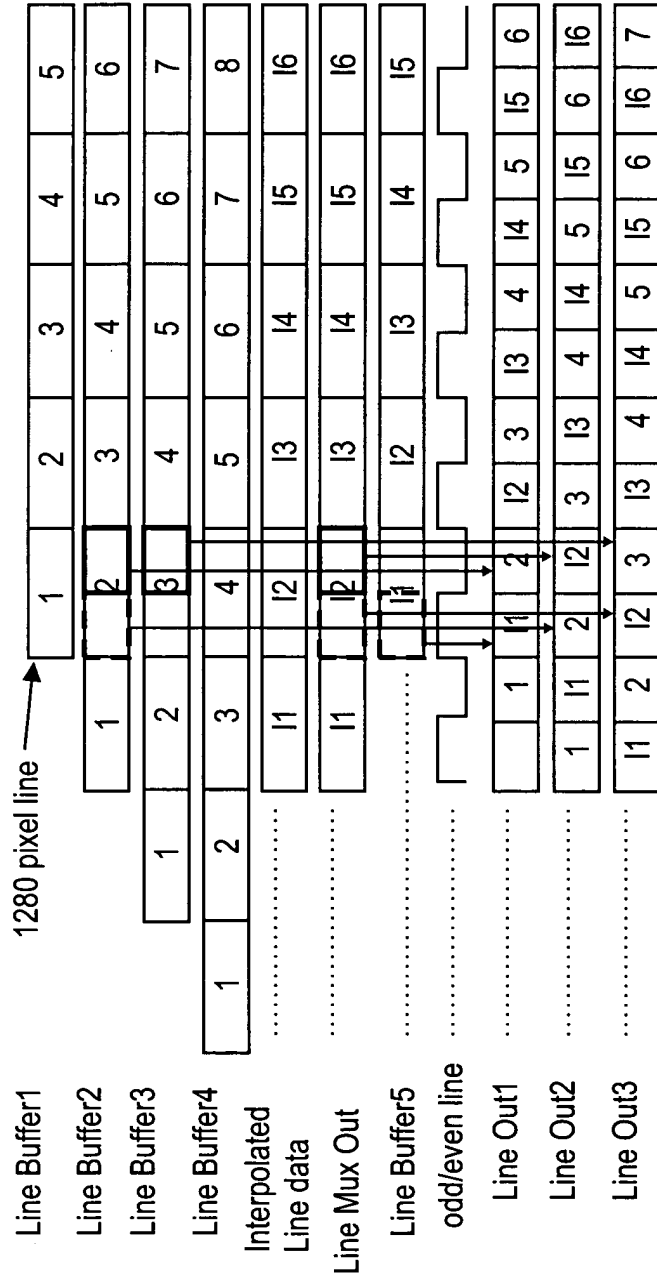


FIG. 26

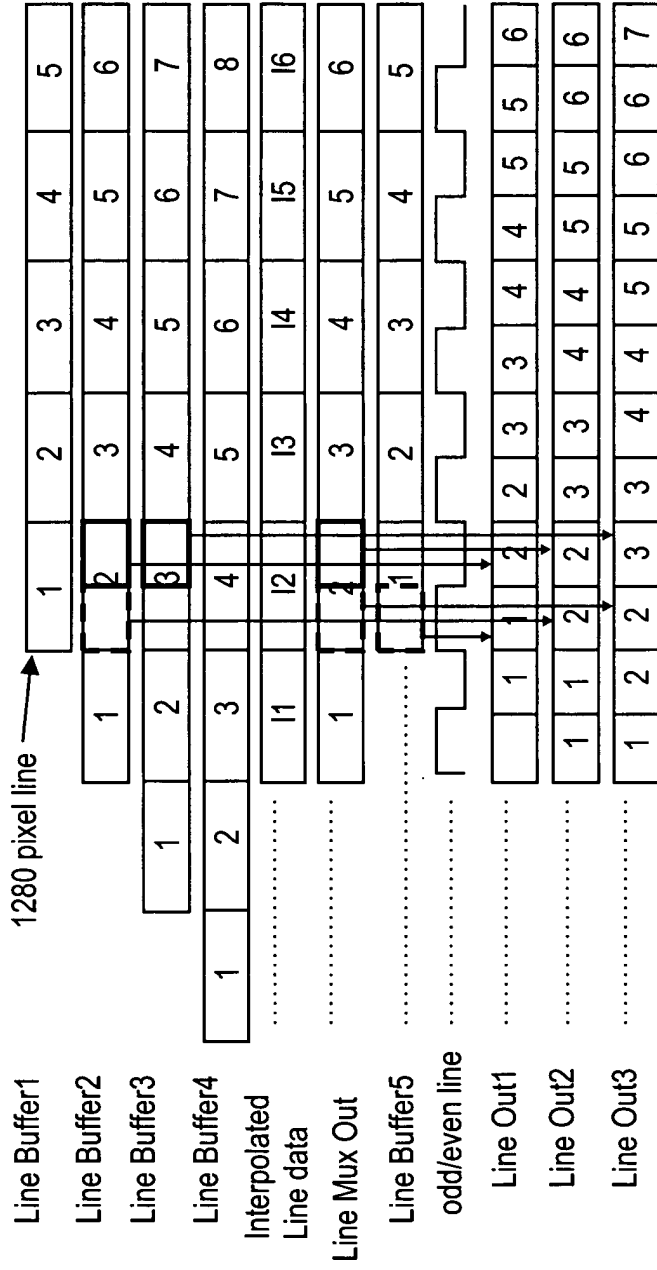


FIG. 27

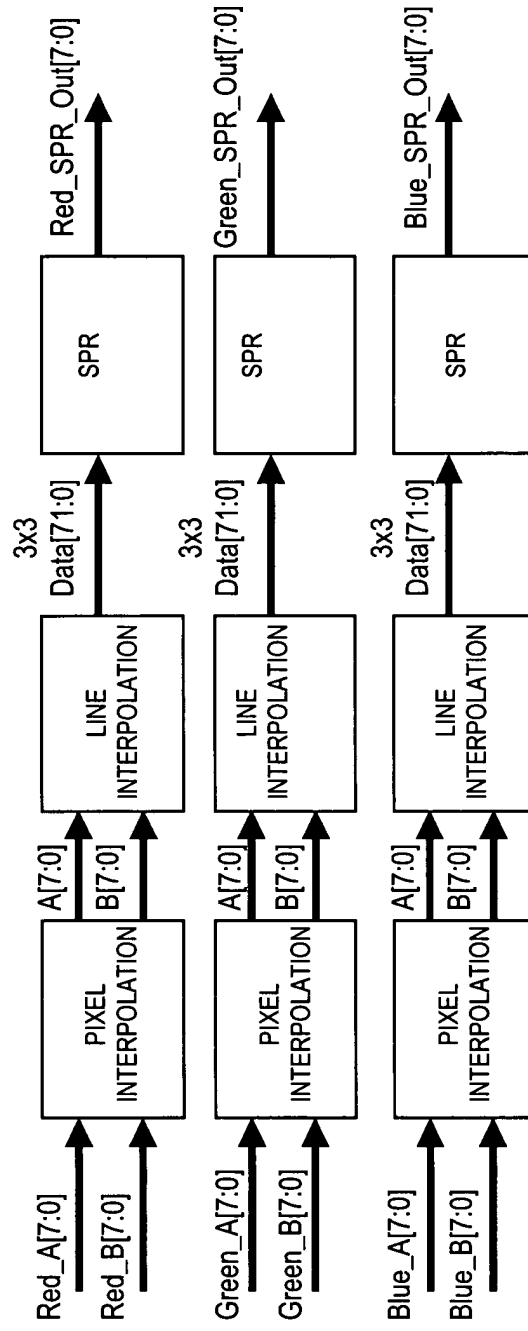


FIG. 28

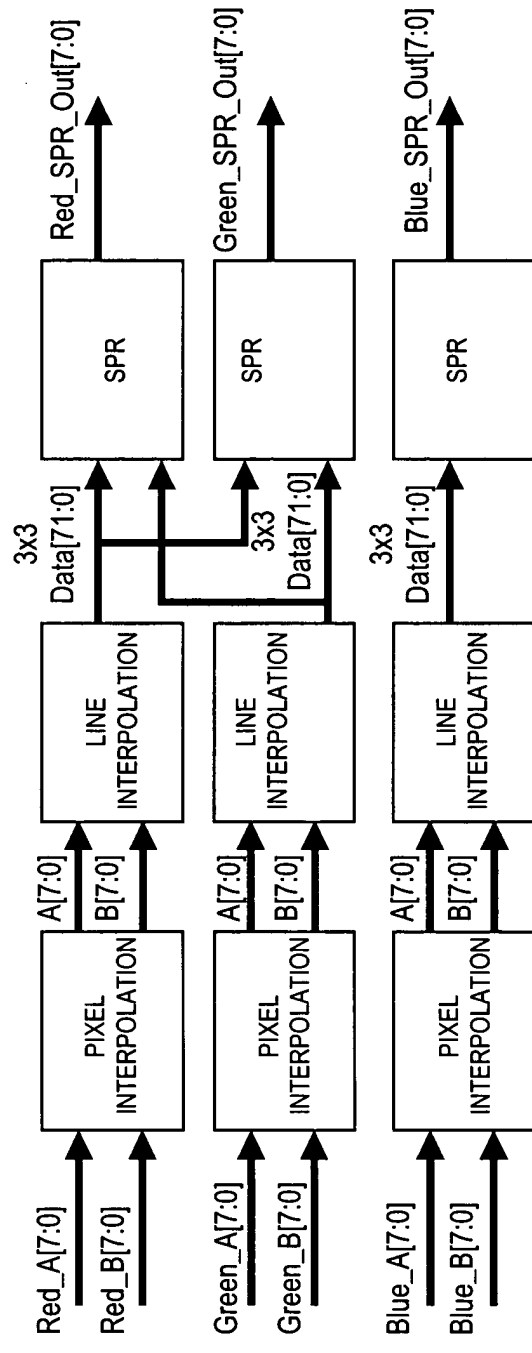


FIG. 29

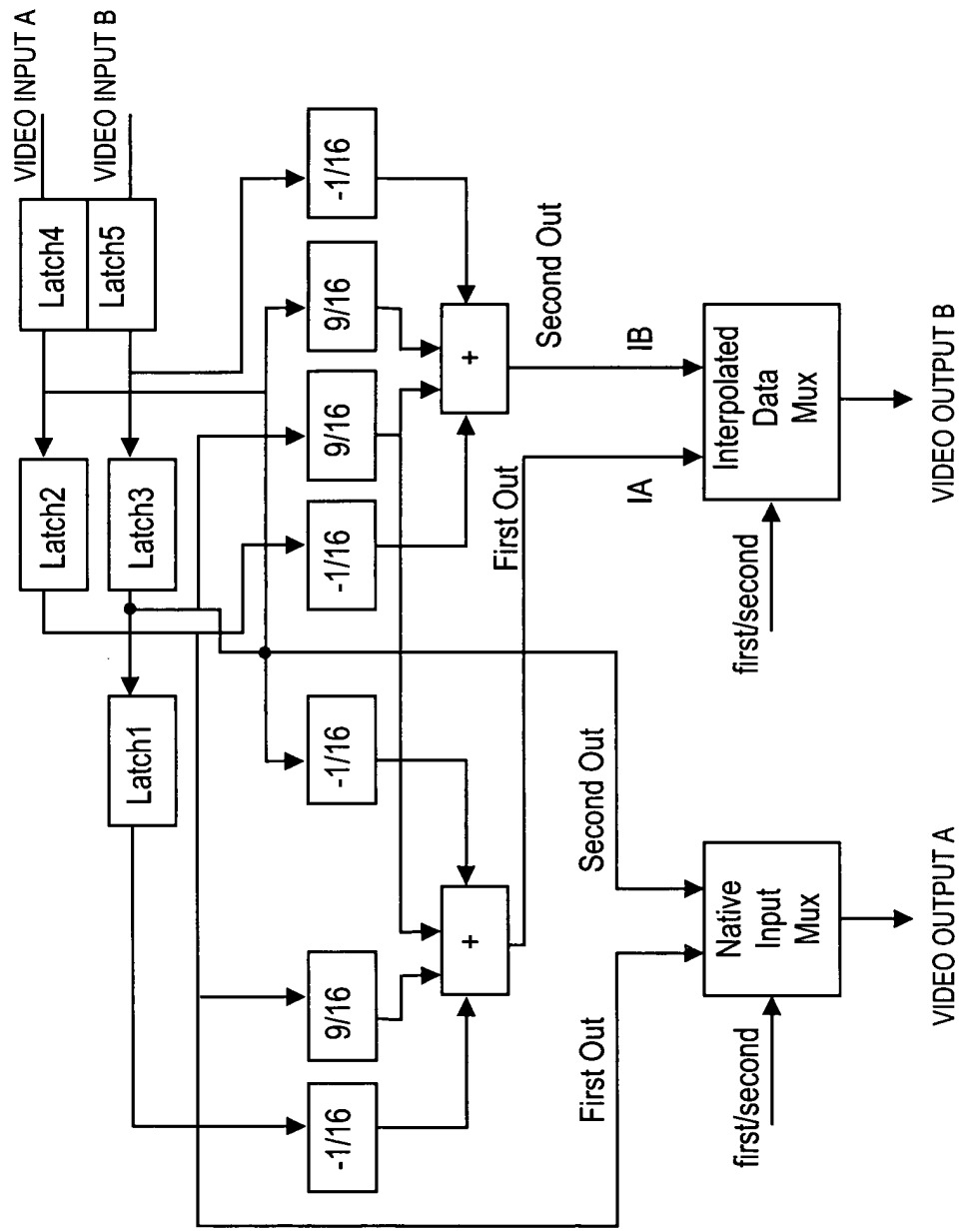
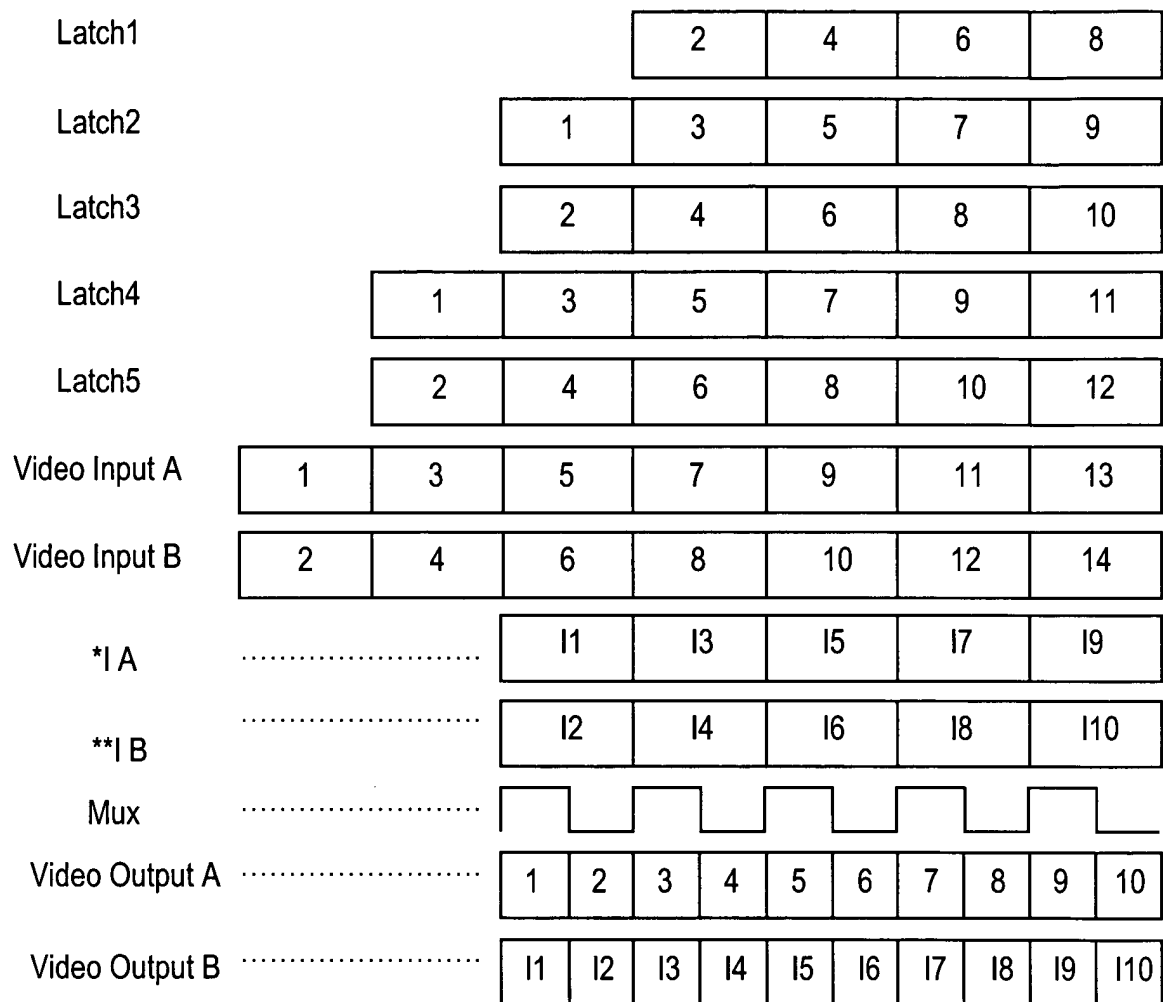


FIG. 30



$$*I A = \text{Latch1} * (-1/16) + \text{Latch2} * (9/16) + \text{Latch3} * (9/16) + \text{Latch4} * (-1/16)$$

$$**I B = \text{Latch2} * (-1/16) + \text{Latch3} * (9/16) + \text{Latch4} * (9/16) + \text{Latch5} * (-1/16)$$

FIG. 31

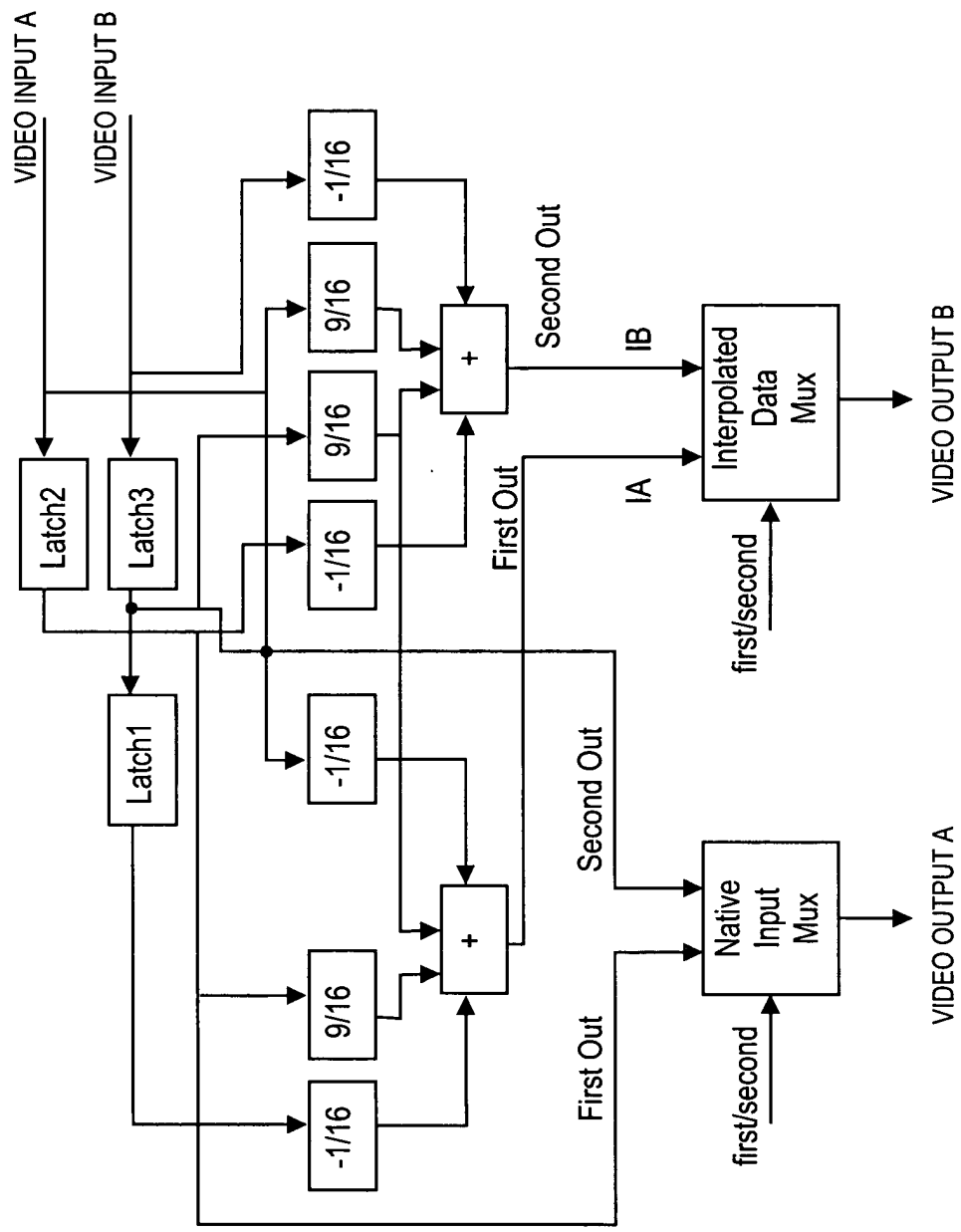
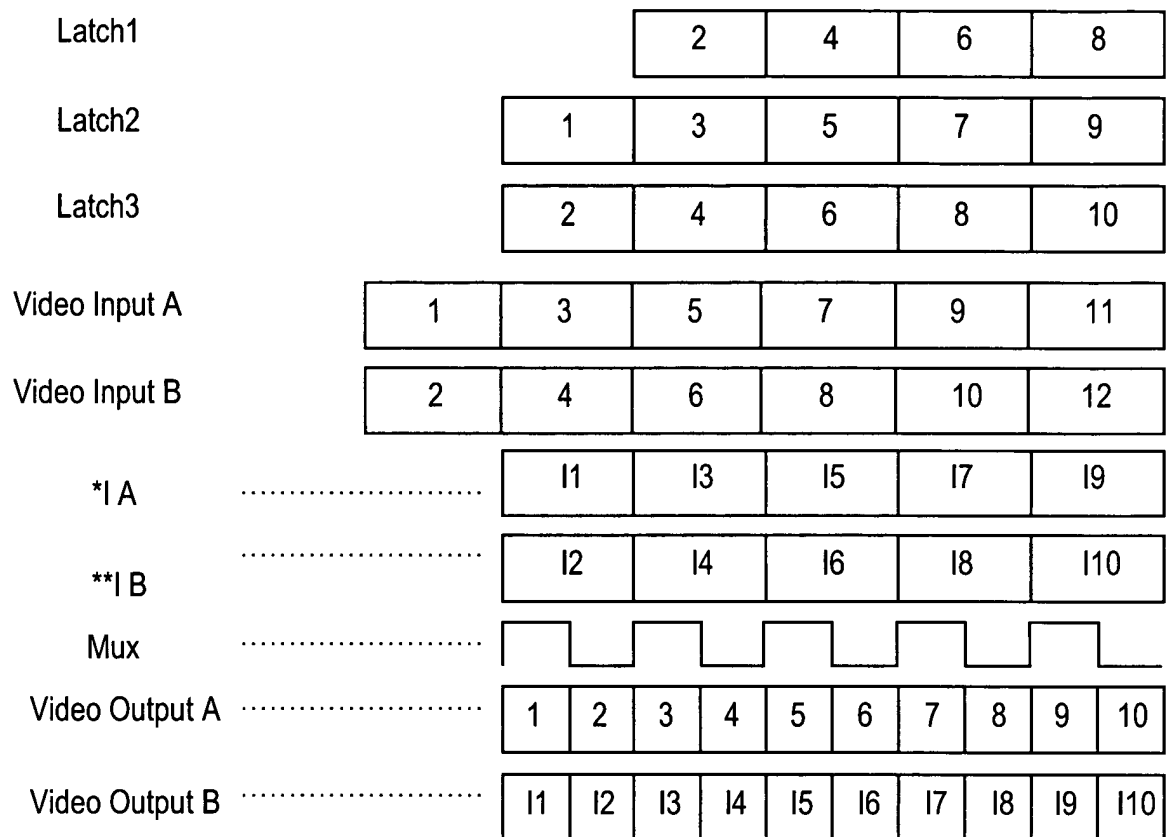


FIG. 32



$$*IA = \text{Latch1} * (-1/16) + \text{Latch2} * (9/16) + \text{Latch3} * (9/16) + \text{Video Input A} * (-1/16)$$

$$**IB = \text{Latch2} * (-1/16) + \text{Latch3} * (9/16) + \text{Video Input A} * (9/16) + \text{Video Input A} * (-1/16)$$

FIG. 33

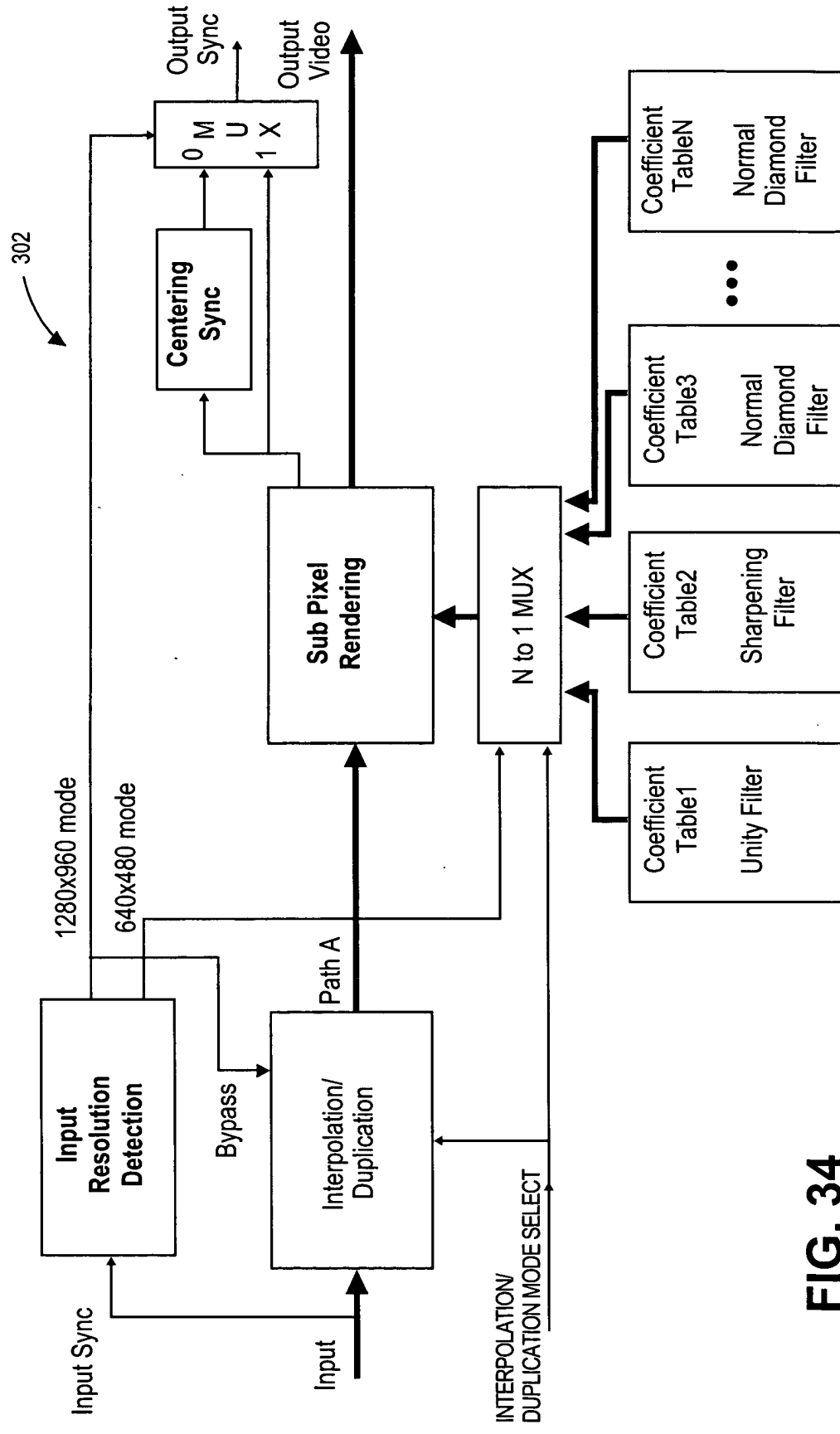


FIG. 34

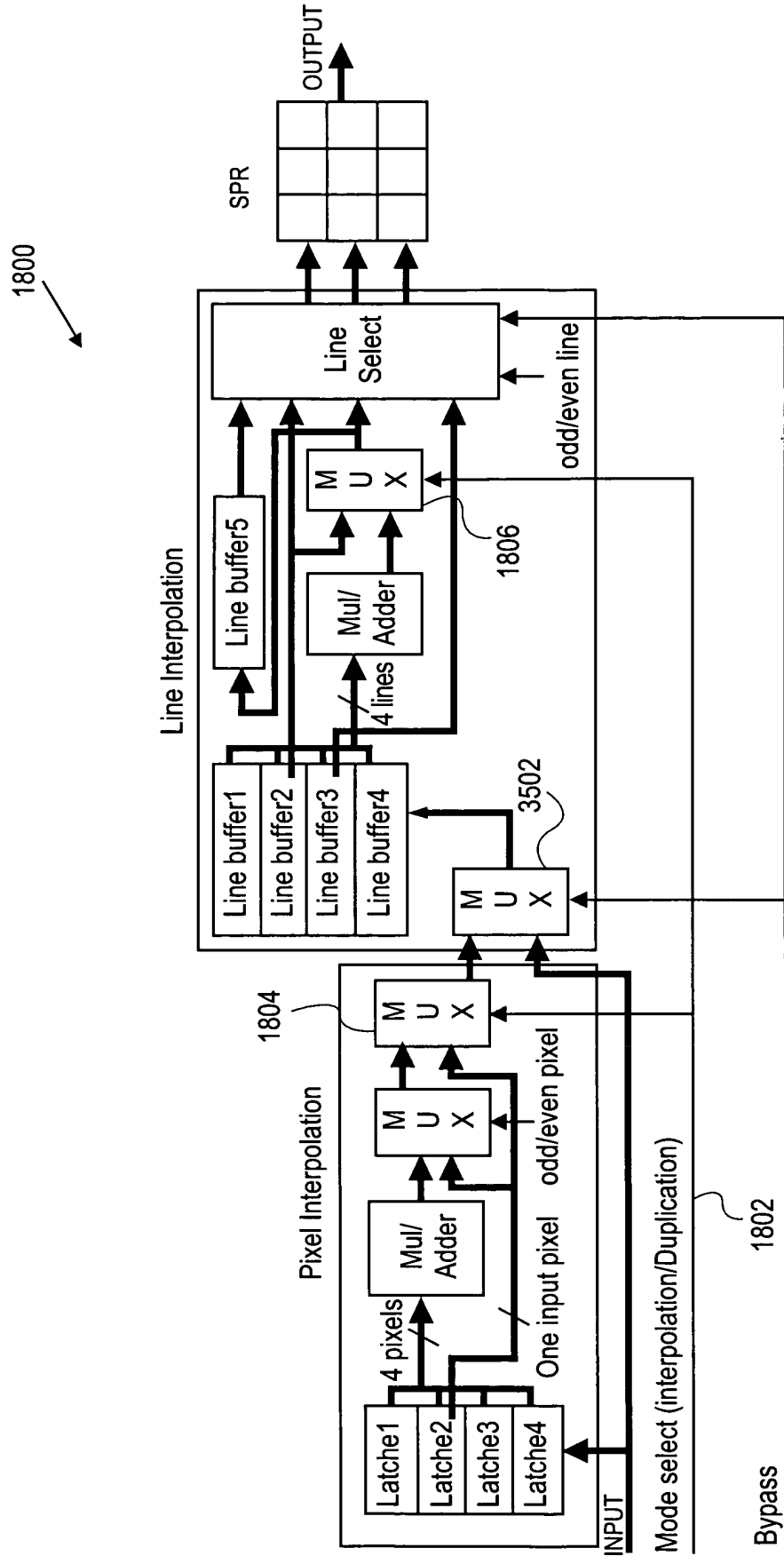


FIG. 35

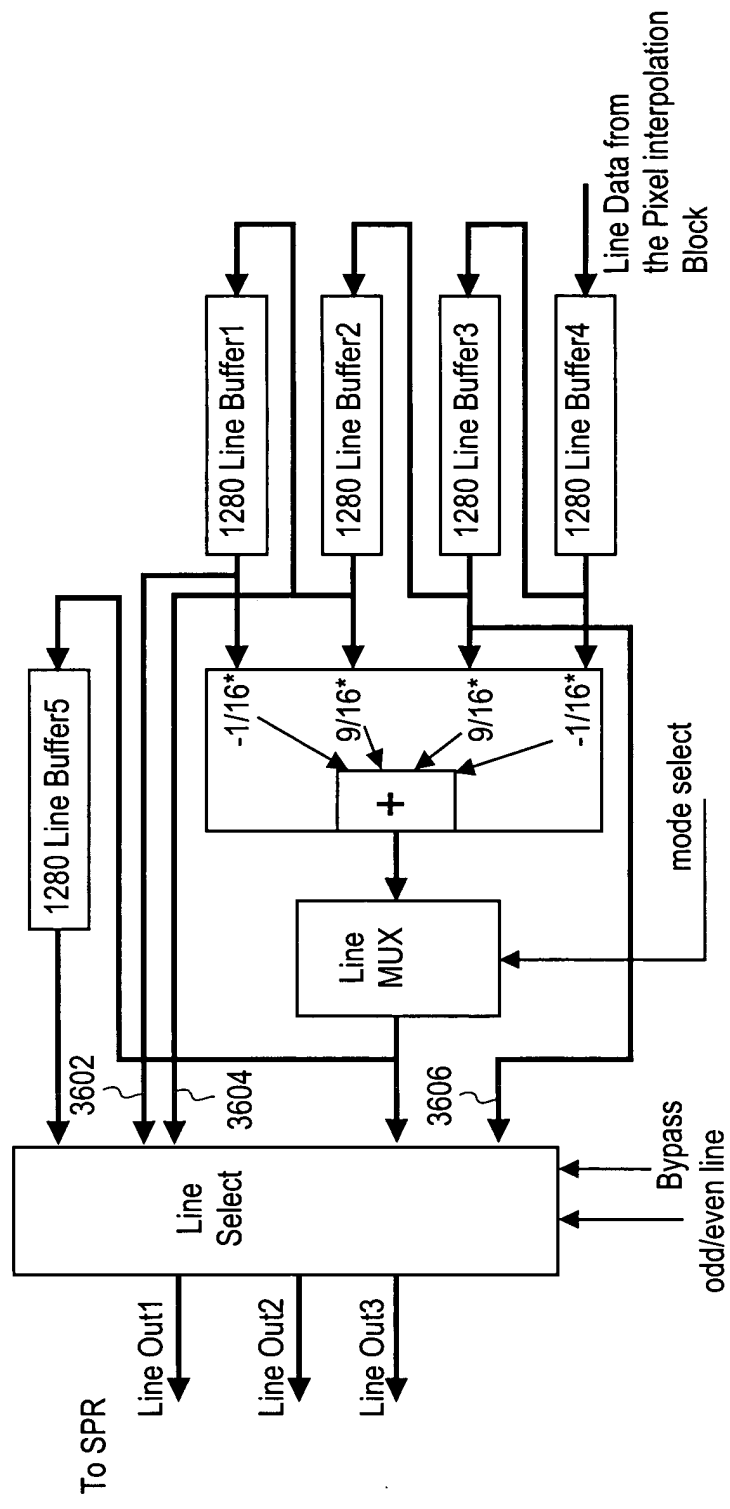


FIG. 36

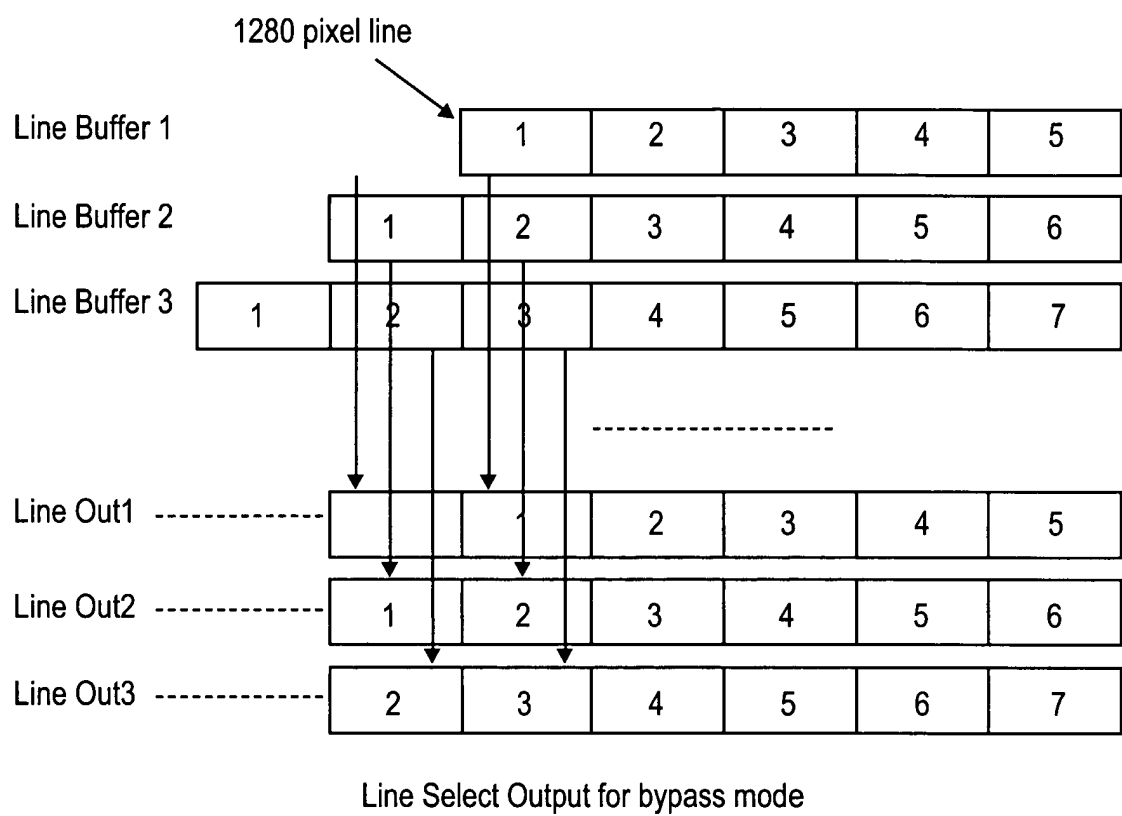


FIG. 37

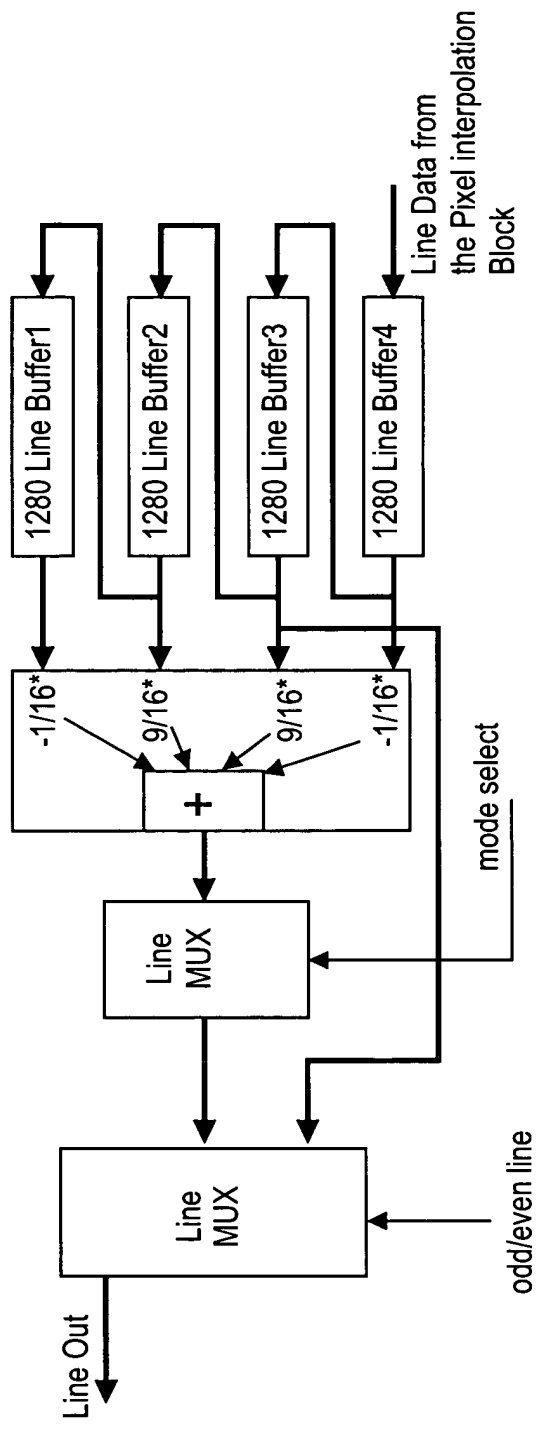


FIG. 38

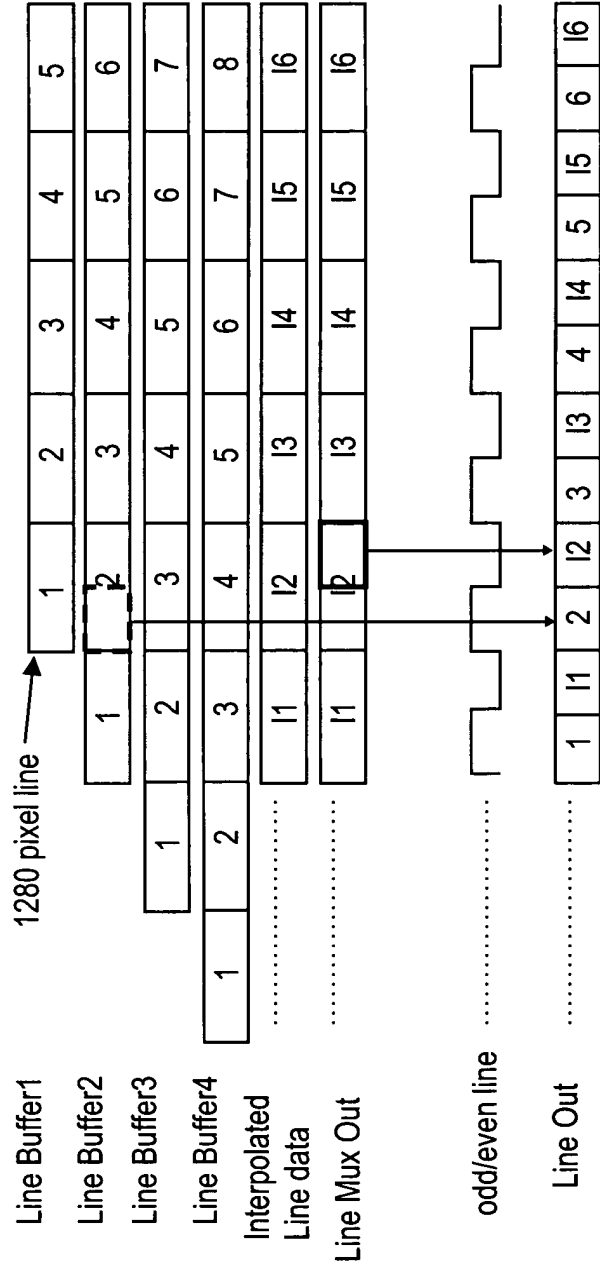


FIG. 39

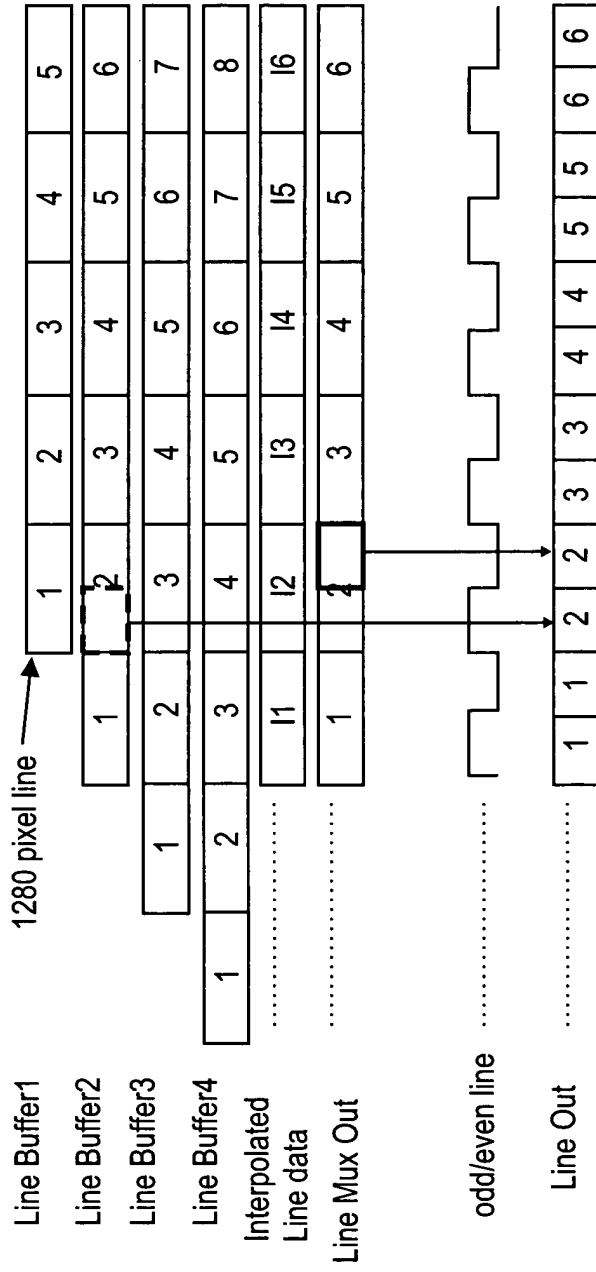


FIG. 40